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The seminars planned for the eight-week spring session are listed, using professional resource persons from the community as teachers. The selection of students permitted to participate was made by classroom teachers, guidance counselors, and administrators.

The concert series continued with two concerts for all elementary schools and a stringed instrument concert for the junior high school. The concert series was climaxed by a Suburban Symphony concert in the high school.

Seminars for junior and senior high students included surveys in physics and chemistry, creative writing in journalism and fiction, a study of nationalism in the contemporary world, and art workshops. An addition to the program was a Tuesday afternoon seminar in modern economics. Offerings for elementary school children included earth science studies, poetry writing, enriched study of the Renaissance, painting, and instruction in playing the recorder.

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SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT #1

From: Leo Poulos, School Coordinator and Betty Friedan, Director.

THE COMMUNITY RESOURCES POOL

SPRING SEMESTER, 1962

The following plans have been completed by the Community Resources Pool and the teacher coordinators for Saturday seminars during the spring semester, 1962. Selection of students for both the elementary groups, which this spring will include third through sixth grade, and the junior and senior high school seminars, will be somewhat tightened. Under the direction of the teacher coordinators, the selection for all seminars will be made by the classroom teachers in cooperation with the guidance department and administration, with careful attention both to the student's demonstrated ability or creative potential and to the student's own interest in attending. An opportunity, also, will be given for students with special interest in any one seminar to make this known to Mr. Poulos. Students will not be barred from participating in the seminar for lack of transportation; we will arrange carpools for students so handicapped. The seminars will begin on Feb. 10 and end on April 7.

The concert series will continue with two more concerts for all elementary schools, grades 3-6 (string and/or baroque music, and percussion) and a string concert in the junior high school. The concert series will be climaxed by a Suburban Symphony concert in the high school, open to children and parents, in which the high school chorus will perform with the Symphony.

ED002364

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- -SEMINAR PLANS FOR JUNIOR AND SENIOR HIGH SCHOOL- -

SCIENCE

Physics - Grades 8-12

Seminar Leader:
Dr. Theodore Pochapsky, Hudson Laboratories, Columbia University

This will be a survey of selected subjects in physics with demonstrations where possible. The first session will consider the nature of physics. The following topics will then be taken up:

1. Mechanics
2. Wave Motion
3. The Place of Mathematics in Physics
4. Quantum Mechanics
5. Solid State Physics
6. Earth Sciences

Methods in Chemical Identification - Grades 9-12

Seminar Leader:
Dr. H. M. Anwar, Chief Research Chemist, Pepsicola, Inc.

Following the successful fall seminar on the separation of chemical compounds, in which an experiment conducted by the students produced a discovery that may be published in a scientific journal, this seminar will continue in an intensive laboratory investigation of methods in chemical identification. Qualified students who were not in the fall seminar may be admitted now. Methods to be explored are:

1. Physical Constants: Melting point, boiling point, solubility in various solvents, crystal structure, density (in case of liquids), refractive index.

2. Chemical Methods: Precipitation, neutralization (in case of acids and bases), tests for reactive groups in the molecule, derivative formation.

3. Physical Methods: Theory of electromagnetive wave, spectrophotometric analysis (colorimetric analysis, ultraviolet analysis, infra-red analysis), Rf determination chromatographically, retention time determination by gas-liquid chromatographic method.

4. The practical phase of the course will be devoted exclusively to research in isolation and identification of green plant pigments. Each student will investigate under supervision on assigned problem. A trip to an industrial research laboratory will be arranged during the course.

Colloid and Surface Chemistry
Grades 7-8

Seminar Leader:
Nathaniel Arbiter, Professor, Mineral Engineering, Columbia School of Mines.

A series of demonstration experiments will be carried out covering various topics in colloid and surface chemistry. The main emphasis will be on observation of experiments and on drawing conclusions about cause and effect. Some of the subjects covered will be:

1. Rise and fall of liquids in capillary tubes
2. Foams, bubbles and surface tension
3. Spreading of liquids on solids and its relation to floating and laundering.
4. Separation of minerals by flotation
5. Wetting of metals by mercury, amalgamation and soldering
6. Biological importance of colloids.

CREATIVE WRITING

News - Grades 7-8

Seminar Leader: Theodore Merrill, An editor of Business Week

Mr. Merrill, who is a practicing journalist as well as an editor of Business Week magazine, will survey, with the students, the different kinds of newspapers and magazines published in the United States today and study the operative elements in the publication of a newspaper.

In one of the early sessions, Mr. Merrill will bring into class and discuss all the material - research, pictures and text - that have gone into the construction of a recent story in the periodical for which he is editor.

In later sessions, Mr. Merrill will help the students lay out a newspaper, then give assignments to each member of the class. By the end of the nine-week period, it is expected that the class will have written, edited, and pasted up a complete newspaper.

Fiction Writing - Grades 9-12

Seminar Leader: Margarita Smith, Fiction Consultant, Redbook, and former fiction editor, Madamoiselle.

This will be a fiction-writing laboratory for students who are particularly interested and who have shown some promise in the subject. The first half of the seminar will be devoted to actual writing of fiction under Miss Smith's supervision, and in the second half, a discussion of what the students have written.

The guest lecturer in this seminar will be Carson McCullough, the novelist.

In addition to her jobs on Redbook and Madamoiselle Magazines, Miss Smith has had fiction published in The Best Short Stories in America, and has won an O. Henry award for some of her work.

SOCIAL SCIENCE

Nationalism in the Contemporary World - Grades 9-12

Seminar Leaders:
- Dr. John Landgraf, Associate Professor of Anthropology, New York University
- Robert Dillon, Social Studies Dept., Tappan Zee High School

This seminar was begun in the fall of 1961 and will continue as outlined in the complete plans presented at that time. The second nine weeks will be devoted to the study of the underdeveloped countries.

1. Dr. Sloan Wayland, Prof. of Education & Sociology, Teachers College, Columbia University
2. African student (recent Ford Foundation grantee, Lebanon)
3. G. Hauser, American Committee on Africa
4. Indian (or Pakistani) student
5. Dr. Theodore DeBary, Prof. of Oriental Civilizations, Columbia University.
6. Chinese (or Japanese) student
7. Alphous W. Jossup, long-time correspondent in Japan and the Southeast.
8. Indonesian (or Thai or Burmese) student
9. Dr. John Landgraf, Project Director, Southeast Asian Studies Program, New York University.

ART

Workshop in Painting and Ceramics - Grades 9-12 Seminar Leaders:
-Richard Zakin, Painter
-Roberta Lebor, Ceramist

February 10 through March 10: Mr. Zakin will lead five Saturday seminars in which the students will be led to investigate the vocabulary of design by experimenting in black-and-white and in tempera colors with compositions made up of basic geometric elements, used first in simple, then in more complex arrangements. Investigation into the compositional possibilities of point, line and shape will be made. At each session, Mr. Zakin will demonstrate how he solved the problem posed at that session in a painting of his own and also how it was solved by painters such as Piet Mondrian, Paul Klee, Michelangelo.

March 17 through April 14: Roberta Lebor, ceramist and Vice President of the Craftmen's League, will conduct five sessions of adventures with clay with a view toward developing an understanding of the basic ceramic techniques. Slab and placque technique, the making of a planter decorated with colored slip, and stone-fired, the use of the hump mold and the potter's wheel, glazing and finishing techniques and the methods of stacking the kiln for firing will be demonstrated by Miss Lebor and problems in each technique will be worked out by the students.

Painting a Mural - Grades 7-8 Seminar Leader: Hugh Mesibov, Painter

Mr. Mesibov, whose paintings hang in many museums and private collections, will conduct this class for 7th and 8th grade students as a Renaissance master painter and his apprentices would approach the work of doing a mural for a large cathedral. They, however, will be doing a mural to be hung in the hall of the Tappan Zee High School.

While doing this project, the students will be learning the techniques involved in mural painting. The general subject will be the Tappan Zee. At the first session, the subject and procedure of painting will be discussed and planned. A trip to the Tappan Zee Bridge will be made during the second session where sketches will be made and research done. The following seminar will be devoted to the organization of the design, detailed sketc transfer of sketch to cartoon, preparation of canvas, painting of canvas, discussion and evaluation and final installation.

Architecture, City Planning and Design (to be held in the late spring in conjunction with the seminar on "Growth" open to interested students from grades 9-12.)

- -SEMINAR PLANS FOR ELEMENTARY GRADES- -

SCIENCE

Earth Science - Grade 6

Seminar Leader: Dr. Charles Drake, geophysicist and senior scientist Lamont Geological Observatory, Columbia University.

The first two sessions will be concerned with the oceans, their history, their physical make-up and their importance to the world.

The next two weeks will cover the introduction to geology in general, with some emphasis on our local area. A field trip will be taken to places of local geological interest.

On the fifth week, a guest lecturer will discuss the earth's atmosphere and the space beyond; the earth as a planet.

The next two weeks will be devoted to geochemistry; the methods used and the significance of work done in this field.

The final sessions will be used to sum up and report on individual experiments or projects students will be encouraged to conduct at home.

CREATIVE WRITING

Adventures in Writing - Grades 4-5

Seminar Leader: Eliot Tozer, Jr., CBS News and Public Affairs, magazine and television writer.

Students will read aloud the best work of Walt Whitman, Robert Frost and other poets and discuss it in class with two aims in mind: first, enjoying it as an expression of mood, emotion and idea; second, discovering the techniques which the poet used to achieve his end.

They will be encouraged to write poetry of their own with comment by the seminar leader and by members of the class.

With the understanding of certain simple communication techniques gained through the discussion of poetry, the students will move on to consider short essays and perhaps short stories. Again, the aim will be to stimulate enjoyment of the work at hand and discover the techniques used by the author to make that enjoyment possible. Students will write essays and hopefully short stores for criticism by the group and the seminar leader.

SOCIAL SCIENCE

"1492" - Grade 6

Seminar Leader:
Mrs. Melinda Talkington, Editor of European Literature, Columbia Encyclopedia.*

This will be a seminar for younger children, designed to give them a sense of history, not as a series of unrelated events, but as a total human experience, at a given moment in time and place.

With the year 1492 as a focal point, the special quality of the Renaissance will be unfolded; the life of the time, the break-up of the close medieval world and the discoveries of modern new horizons (in geography, astronomy, literature, the arts, etc.), the emergence of the new ideal of the universal man.

The children will gradually produce a large mural time-chart which will portray events occurring all over the Western world in a period centered around the year 1492. Classroom work will include reports by the children on biographies of interesting Renaissance figures, or on any topic which has proved interesting a nd exciting in classroom discussion. Wherever possible, original related source material will be read and discussed in class and children will re-enact some of the creative adventures of the period: discovery of the classics, poetry competitions, examination and possible reproduction of Leonardo da Vinci's inventions and rudimentary scientific ideas, mapmaking, painting and new techniques, study of anatomy and perspective, etc.

A field trip to the Metropolitan Museum will be included.

Units are tenta tively planned to include such topics as:

1. General historical background and life in country and town
2. The new geography: discoveries of Columbus and Vespucci
3. The changing face of the city - Florence
4. The court of Lorenzo de Medici
5. The Renaissance man - Leonardo, Erasmus, etc.
6. The re-discovery of the ancient world
7. The new techniques in the arts
8. The new astronomy - Copernicus
9. France - a study in contrasts with Renaissance Italy
10. England - feudal lords versus kind and parliament.

*Mrs. Talkington is former translator and editor of Encyclopedia of World Art (McGraw-Hill), and has spent the past two summers in Italy as assistant in a Smith College seminar on Renaissance art history.

ART

Painting - Grades 4-5

Seminar leader:
D'Ann Fago, Painter*

The purpose of this course will be to give the particularly interested child the opportunity to work with tempera paint as a medium for organizing and using ideas visually. He will be encouraged to experiment, to create and to develop new skills. Having had this kind of enriching experience, he will be better able to release his individual creative potential.

1. Explore the material by using color and simple color theory.
2. Utilize the knowledge of the first Saturday and try to translate it in terms of some powerful emotion, to relate the technical discoveries of the first week to mood and feeling.
   Example: what kind of line we use when we feel quiet
   what kind of colors we use when we feel noisy
   From this discussion, the children will decide on the paintings they will each do subsequently.
3. Try to motivate each child toward something he has always wanted to do and pull from each one his own direction, aspirations, etc.
4. Show how differently people have been painted throughout the centuries. A variety of pictures will be shown and there will be a discussion of the different concepts of painting the same subject with an historical perspective.
5. The children will then work on a large painting of their own under the guidance of the instructor.

*Mrs. Fago studied with Hans Hoffman and Stuart Davis. She is a graduate of the University of Kentucky and has exhibited there; she also taught art in Louisville, Ky. She is the wife of Vincent Fago, the originator of the cartoon strip "Peter Rabbit."

MUSIC

Recorder Playing as an Introduction to Musical Instruments
Grade 3

Seminar leaders:
LaNoue Davenport, Dan Trimboli, Robert Abernathy, Janet Simons

The opening session will be devoted to dividing the group of 25 students into smaller groups, arranging for their purchase of recorders and music and the beginning lesson on how to play the recorder. The next five sessions will be a continued study of playing music on the recorder. Emphasis will be placed on note reading, elementary rhythm and ensemble playing, and attention given to the concept and method of producing a good tone.

The 7th, 8th and 9th sessions will be devoted to the continued study of the recorder and to an introduction to the woodwind instruments, the brass instruments and the string instruments, respectively. There will be emphasis placed on the tone production of each instrument and a discussion of the different problems involved in playing each of the instruments.

It is hoped that this introduction to orchestral music will give the third-graders some idea of the disciplines required for learning to play a musical instrument and what the extent is of their interest in musical study. In addition, they will have a better idea of the instrument they would like to choose when they are given the opportunity to do so in the fourth grade music curriculum in the elementary schools. Many will continue to play simple tunes on their recorders.

* LaNoue Davenport is a nationally known recorder player, who is a performing member of Pro Musica Antiqua and leader of a seminar at the National Music Camp at Interlochen, Michigan.
Dan Trimboli is saxaphonist with the New York Philharmonic Orchestra and performer of flute, clarinet and saxaphone in various Broadway shows.
Robert Abernathy is a French horn player, presently with the orchestra of the Broadway show, My Fair Lady, and a member of the Concord Woodwind Quintet.
Janet Simons is a violist, presently playing in the Orchestra of America and student adviser of the Community Music School.

SOCIAL SCIENCE

Economic Horizons - Grades 9-12 Seminar Leaders as Indicated
Tuesday afternoon 2:15 P.M.

This seminar was planned by the Resources Pool, in consultation with the guidance department and administration, at the instigation of the Social Studies Depa rtment of the High School, headed by Mrs. Florence Bloom, who wished to use it as a direct enrichment of the senior social studies curriculum and as an experiment in providing older high school students with realistic career images, outside of the sciences and arts which are offered in the other seminars.

The opening sessions, February 20 and 27, will be conducted by Mr. Robin Winkler, member of the New York Stock Exchange, who will outline some of the key problems and possibilities on the American economic frontier, and give some of the realities of life in the stock ma rket. The next four sessions will be conducted by men prominent in industry and finance in Rockland County.

A session on the problems of investment and international finance will be given by Mr. Vernon Eagle, former head of the European Division of the Hanover Bank of New York and now Director of the New World Foundation. There will be a session on automation and labor, tentatively to be led by John M'Connell of the Transport Workers' Union, and an expert on automation.

Three sessions on interrelated problems of industry, labor and government and law will be conducted by Milton Carrow, practising attorney and expert on administrative law. Sessions on the communications industry will be conducted by Burroughs Mitchell, editor for Scribner's on book publishing, and by Joseph Kastner, an editor of Life magazine.

A session on urban development will be followed by an architectural tour of New York City, led by Seymour Gurlitz, architect. The group will visit and discuss St. John the Divine Cathedral, the Guggenheim Museum, the Seagram and Lever Buildings, the United Nations' Building, a housing project complex, shopping centers and the Civic Center, as well as the George Washington Br.

Bernard Albin, city planner and landscape architect will discuss and illustrate with slides and drawings problems of city planning and of the relationship of building to site. Tentatively, Elaine Albin, city planner and designer, will conduct a design tour of New York City to see the construction of furniture and the designing of fabrics by leaders in the industry. Mr. Albin was architect-project director of such new towns as Kitomat, B.C. and Ashdad, Israel. Mrs. Albin was interior designer of the Prize-winning Hotel Curacao Intercontinental.